

# BIOSENCY

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## Bora NGD (Network Gateway Device)

Installation and user guide



CE<sub>2797</sub>

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# Data feedback terminal installation guide

You have received a set of remote monitoring equipment consisting of a box for the data feedback terminal with:

- The data feedback terminal with its charging cable
- The charger
- An Ethernet cable
- User manuals

The purpose of this document is to guide you in setting up the data feedback terminal so that vital signs can be transmitted to healthcare staff.


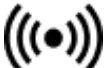

Once the equipment is operational, you can begin remote monitoring.


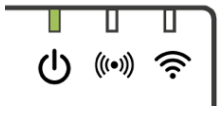
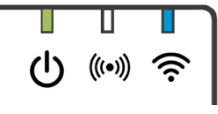
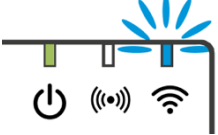
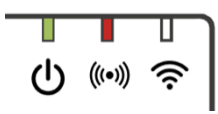
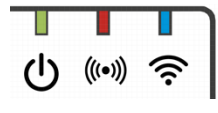
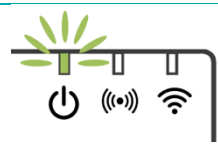
The installation guide contains explanations on how to configure the data feedback terminal and a QR code directing you to the Bora band® device guide. Further information and details are available in the user manual for the data feedback terminal.

## Step 1: Start-up the data feedback terminal

### Meaning of the indicator lights for the data feedback terminal

The data feedback terminal has three indicator lights:

	Steady <b>green</b> : terminal on Flashing <b>green</b> : maintenance mode
	Steady <b>red</b> : no network connection Flashing <b>red</b> : network search
	Steady <b>blue</b> : connection to a Bora band device Flashing <b>blue</b> : data transmission

	GREEN light on and RED light flashing: the terminal is switched on and searching for its Internet network (this may take a few minutes).
	GREEN light on: the terminal is switched on and connected to the Internet.
	GREEN light and BLUE light on: the terminal is switched on, connected to the Internet and to a Bora band® device.
	GREEN light on and BLUE light flashing: the terminal is switched on and connected to the Internet. A Bora band® device is connected and transmits data with the terminal.
 	GREEN light on, RED light on, BLUE light on or off: the terminal is on but not connected to the Internet.
	GREEN FLASHING light: the terminal is in maintenance mode.

# Network connection

There are three ways for the data feedback terminal to be connected to the Internet:

- A. Via the cellular data network
- B. Via the Wi-Fi network
- C. Via the Ethernet connection

The following sections detail the connection instructions for each method.

## A.4G connection

The data feedback terminal comes with a SIM card for connecting via the cellular network. By default, it will prioritise this option if no other connection is configured.

To begin setup, remove the terminal, connected to its charging cable, from its box. Plug the terminal's charging cable into the charger. Then plug the charger into an electrical socket.



Figure 1: Terminal connection diagram

A green light should appear opposite the first indicator light once all the components are connected.

The data feedback terminal will only work if it is permanently plugged into an electrical socket. Once the green light is on, you need to check that the terminal is communicating data via the Internet.

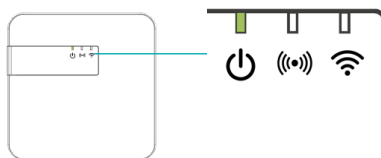


Figure 2: Indicator light showing that the terminal is connected

Initially, a flashing red light will appear.

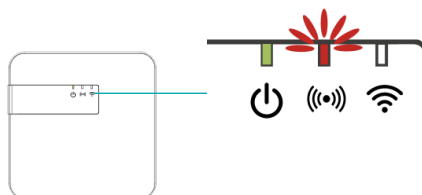


Figure 3: Indicator light for the terminal currently searching the network.

This shows that the terminal is **looking for the network**.

- If the cellular data network is available, the flashing red light will turn itself off after **a few minutes**. The terminal is connected to the network.
- If the cellular data network is not available, the red light will be steady. This indicates that the terminal was unable to connect to the cellular data network.

If you have problems connecting the data feedback terminal to the cellular data network (steady red light), try moving it to a more convenient location (e.g. near a window).

If the data feedback terminal is still unable to connect to the cellular data network, it needs to be configured to use the Wi-Fi network or connected via the Ethernet cable.

## B. Configuring the Wi-Fi connection

The data feedback terminal can be configured to connect to the Wi-Fi network. A number of steps are required to configure the system:

1. Switching on the terminal
2. Activate maintenance mode (Activation of the terminal's internal Wi-Fi)
3. Connect to the terminal's internal Wi-Fi
4. Log in to access the terminal's settings
5. Configure the Wi-Fi to which the terminal should connect
6. Exit maintenance mode

To configure the Wi-Fi connection:

### 1. SWITCHING ON THE TERMINAL

Remove the terminal, connected to its charging cable, from its box. Plug the terminal's charging cable into the charger. Then plug the charger into an electrical socket.



Figure 4: Terminal connection diagram

A green light should appear opposite the first indicator light once all the components are connected.

The data feedback terminal will only work if it is permanently plugged into an electrical socket.

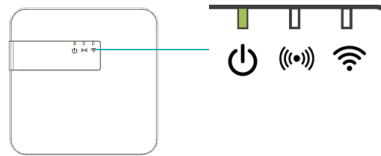


Figure 5: Indicator light showing that the terminal is connected

## 2. ACTIVATE MAINTENANCE MODE

To activate maintenance mode, remove the cover on the back of the data feedback terminal. **The terminal must remain on during this operation.**

Press lightly on the cover and slide it upwards, as shown in the diagram **Erreur ! Source du renvoi introuvable..**

Once the cover is removed, you will find a black button.



Figure 7: Direction for sliding the cover

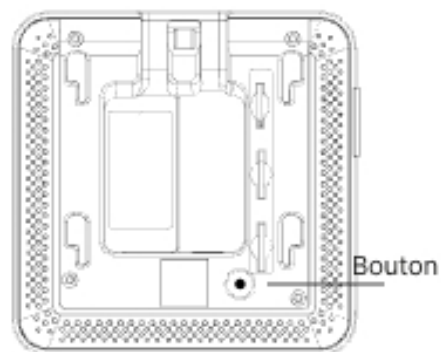


Figure 6: Maintenance button position

Press the button for 5 seconds until the green light starts flashing.  
The terminal is now in *maintenance mode*.

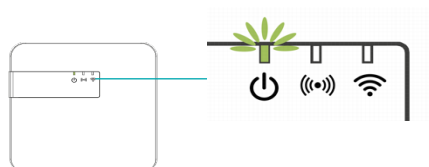


Figure 8: Maintenance mode indicator light

## 3. CONNECT TO THE TERMINAL'S INTERNAL WI-FI

Open the Wi-Fi network configuration from a computer, tablet or mobile phone.

From the available Wi-Fi networks, select: **Biosency-NGD-<serial number>**.

You can find the serial number on the label stuck to the data feedback terminal at the cable outlet. It can also be found on the underside of the terminal's packaging box.

Enter the password: **BiosencyWIFI**

Check that you are connected to this Wi-Fi network.

A "no internet connection" message may be displayed, asking you what type of connection you want. Click on "Connect permanently".

#### 4. LOG IN TO ACCESS THE TERMINAL'S SETTINGS

Open a web browser.

In the search bar, enter the following address: 10.0.0.1

A page for connecting to the data feedback terminal is displayed. At the bottom of the screen, you'll find a label with information on standards and regulations and the current version of the software.

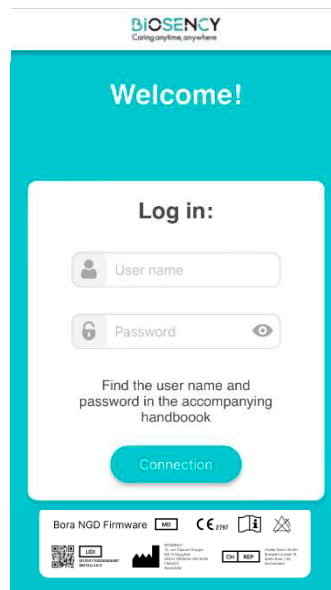


Figure 9: First connection screen

Enter the following login and password:

**Username: maintenance\_Gateway**

**Password: NGD\_Config\$BSY2024**

Press "Connection" to confirm.

#### 5. WI-FI CONFIGURATION

You now have access to Wi-Fi network configuration.

Enter the name and password of the Wi-Fi network on which the terminal will communicate. Generally, the network name and password appear on a label attached to the Internet router.

The default network type is WPA2. If you need to change the network type, select another configuration type from the options (WEP/WPA, WPA2, WPA).

Click on "Connection" to confirm.

The terminal is now configured to connect to your patient's Wi-Fi network.

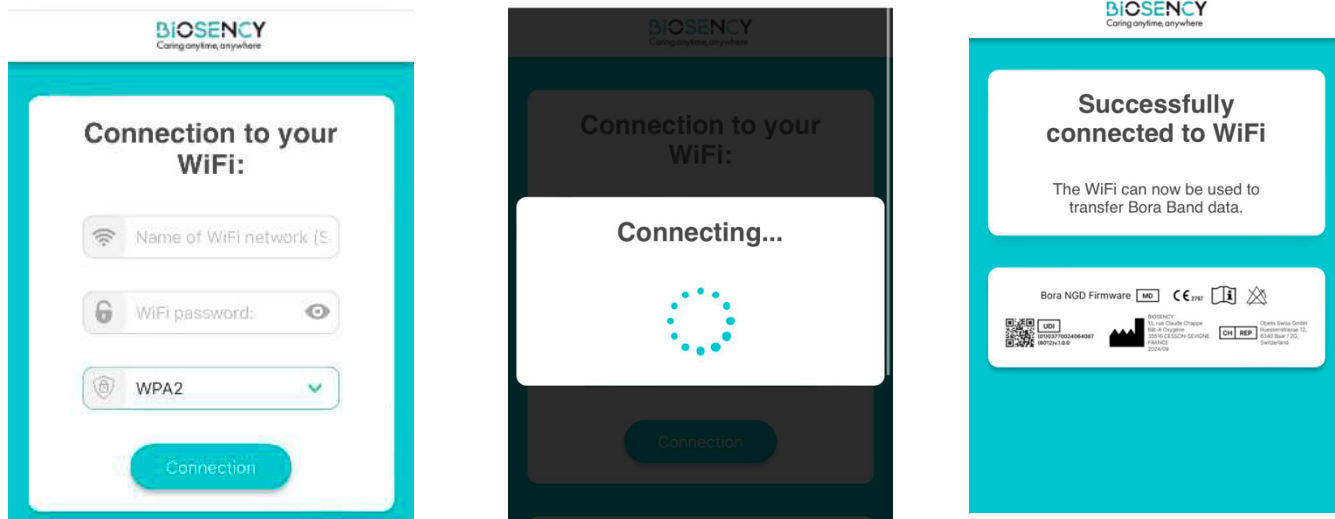


Figure 10: Wi-Fi configuration screen

## 6. EXIT MAINTENANCE MODE

To exit *maintenance mode*, simply press the black button (see **Erreur ! Source du renvoi introuvable.**). If no operation is performed on the terminal for at least 3 minutes, the terminal will automatically exit *maintenance mode*.

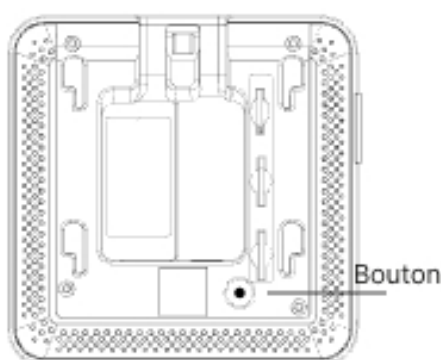


Figure 11: Maintenance button position

After exiting maintenance mode, the terminal is ready to connect. The green light becomes steady.

Once the Wi-Fi network has been configured, the terminal will first try to connect to Wi-Fi. If this network is not available, it automatically switches to the cellular data network. The red light flashes until the connection to one of the networks is established, then it goes out. This may take a few minutes. If connection is not possible, the red light will stop flashing and become steady.

## C. Configuring the Ethernet connection

The data feedback terminal can be connected directly to the network via an Ethernet cable. The cable is included in the data feedback terminal packaging.

**i** The Ethernet cable must be connected before switching on the terminal.

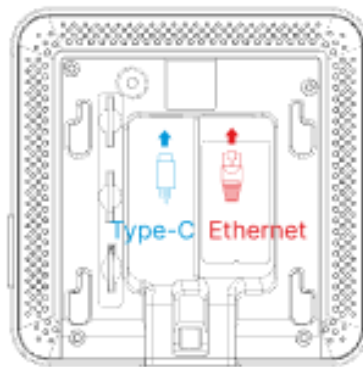
Follow these steps to configure the Ethernet connection:

1. Remove the cover on the back of the data feedback terminal



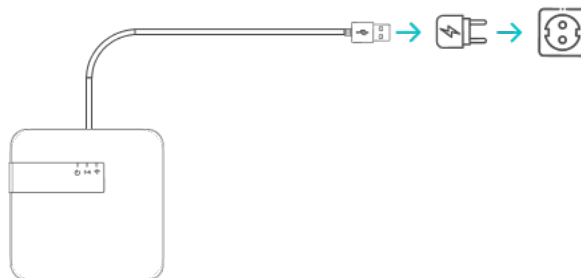
*Figure 12: Direction for sliding the cover*

2. Plug the Ethernet cable into the dedicated port, located next to the charging connector

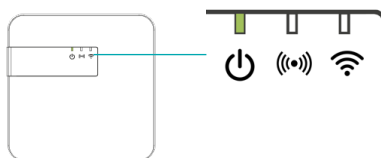


*Figure 13: Ethernet port location on the data feedback terminal*

3. Reposition the terminal cover
4. Connect the other end of the Ethernet cable to the dedicated wall socket or to your internet hub
5. Connect the data feedback terminal to an electrical outlet:  
Remove the terminal, connected to its charging cable, from its box. Plug the terminal's charging cable into the charger. Then plug the charger into an electrical socket.



*Figure 14: Terminal connection diagram*

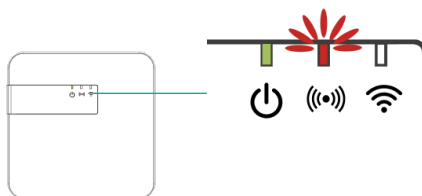


*Figure 15: Indicator light showing that the terminal is connected*

A green light should appear opposite the first indicator light once all the components are connected.

The data feedback terminal will only work if it is permanently plugged into an electrical socket.

6. Initially, a flashing red light will appear.  
This shows that the terminal is **looking for the network**:



*Figure 16: Indicator light for the terminal currently searching the network*

- If the Ethernet connection is available, the flashing red light will turn itself off after **a few minutes**. The terminal is connected to the network.
- If the Ethernet connection is unavailable, the terminal will automatically attempt to connect to the 4G network. If the connection is available, the red light will turn off. If not, the red light will become steady, indicating that the terminal was unable to connect to the cellular data network.

If you encounter any difficulties at any of these stages, please do not hesitate to contact us via our support:

- by telephone on: 0800 910 073 (FR) / (+33) 02 21 65 70 01
- by email: [support@biosency.com](mailto:support@biosency.com)

## Step 2: Using the Bora band<sup>®</sup> device for the first time

Scan the QR code below to access the user manual for the Bora band<sup>®</sup> device:



SCAN ME

Once the QR code has been scanned, the "Bora band® - User manual" web page opens. You can now download the user manual for the Bora band® device in PDF format.

## Step 3: Finalising the installation

Make sure the terminal is working properly: check that the data feedback terminal is switched on and that no red light is visible.

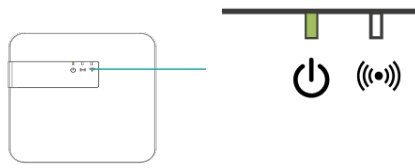


Figure 17: Check that the terminal is working properly

Check that the Bora band® device is switched on by pressing the button once. The indicator light should glow steadily green for 3 seconds.

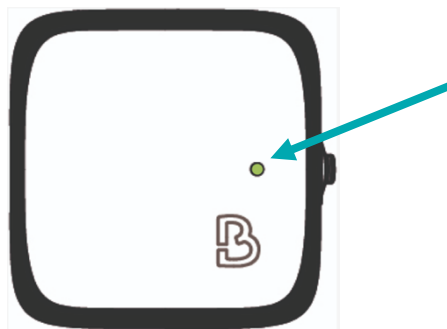


Figure 18: Green Bora band® indicator on

After performing these two checks, place the Bora band® device close to the terminal. The data feedback terminal automatically checks whether a Bora band® device is available and connects to it. A blue light on the third indicator light comes on, indicating that there is a connection between the Bora band® and the terminal.

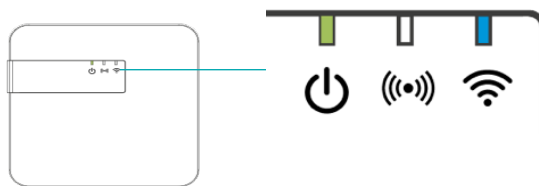


Figure 19: Indicator light when Bora band® is connected to the terminal

Up to three Bora band® devices can be connected to the same data feedback terminal. If other indicator lights are present on the data feedback terminal, refer to the tables listing the meaning of the lights (Page 4).

If other indicator lights are present on the Bora band®, refer to the tables listing the meaning of the indicator lights in the Bora band® user manual.

**If you encounter any difficulties, please do not  
hesitate to contact Biosency support:**

**0800 910 073 (FR) / (+33) 02 21 65 70 01  
[support@biosency.com](mailto:support@biosency.com)**